



TESTit

Clamping force measuring device

TESTit

Safe processes through clamping force measurement

Key advantages:

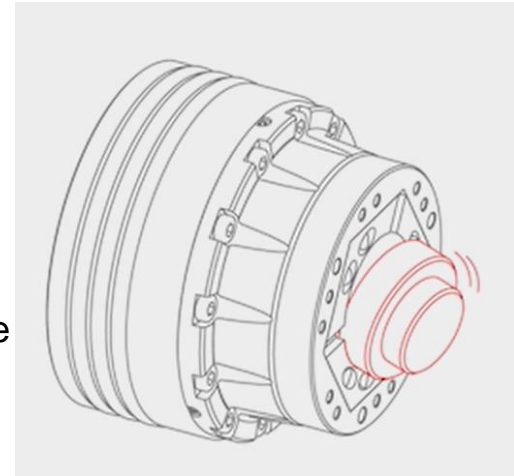
- Clamping force measurement for O.D. and I.D. clamping
- Draw-in force measurement of hollow tapered shanks
- Two units, connected with plug & play: IT module – the basic unit, TEST module – add on various measurement applications
- Can be used rotating [under RPM]
- Software for visualization and archiving



Why does the clamping force have to be measured?

For a safety, precision and productive process is a regularly control of the clamping force and draw-in force imperative.

- Obligatory to DIN EN 1550
- Dangerous work piece loss prevent, if the clamping force is too low
- Workpiece deformations prevent, if the clamping force is too high and less discards
- Safety and stable processes through transparency of the ideal clamping force
- Determining the lubricants and contamination to preventive maintenance



TESTit

We can measure everything!



O.D. clamping



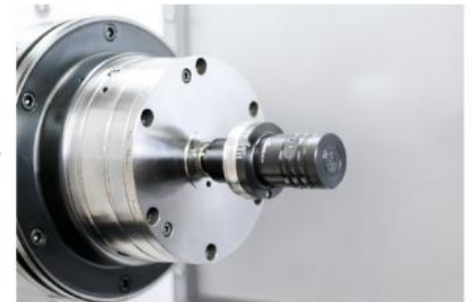
Draw-in force



TEST module
AS65



TEST module
IS28



I.D. clamping



IT module



TEST module
HSK63



TEST module
Special



Special solutions

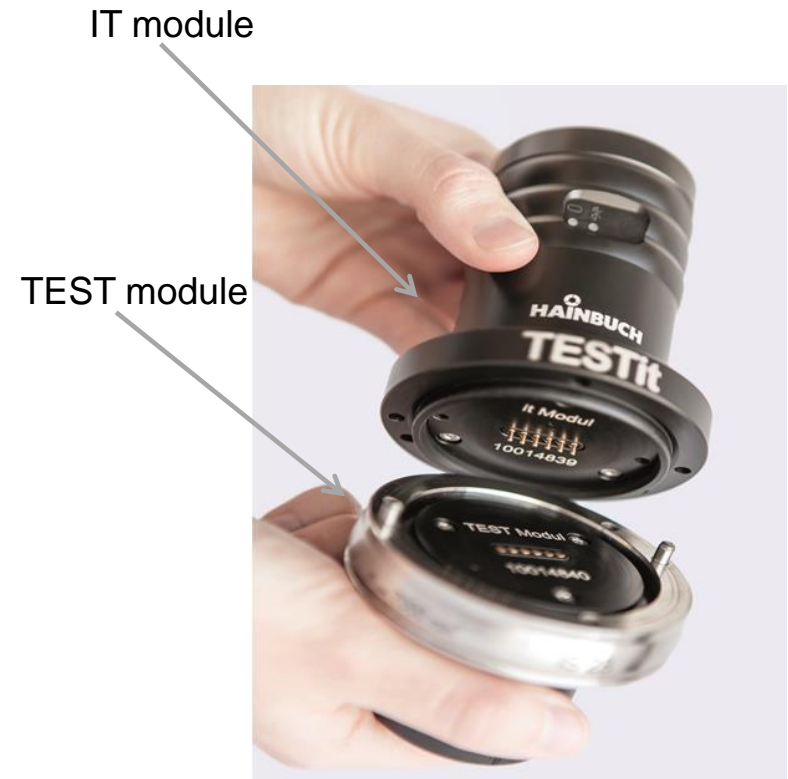
TESTit

TESTit – two-parts now!

TESTit consisting of two components

- **IT module** = Base unit [electronic unit]
- **TEST module** = measuring unit [measuring sensor]

→ **IT module** connect via plug & play with the **TEST module**



TESTit

TESTit software

Features:

- 3 options for visualizing the measured results:
 - Bar graph
 - Speedometer
 - Line diagram [force / RPM diagram]
- Archive the results as .pdf or .csv file
- To sale start available in three languages [DE,EN,FR]
- Bluetooth® connection for the TESTit devices



Equipment + scope of delivery **IT module**

- The **IT module** can be buy with a display unit or without a display unit
- Important note: For the purchase of **IT module**, a **TEST module** is not included. **TEST modules** have to ordered separately

Variant 1:

Scope of delivery without a display unit:

- IT module [base unit]
- Measuring and archiving software [USB-stick]
- Bluetooth® stick
- Storage case

Variant 2:

Scope of delivery with a display unit:

- IT module [base unit]
- Tablet 10-inch as a display unit
- Measuring and archiving software
- Storage case



Overview TEST modules [measuring unit]

Equipment + scope of delivery **TEST** module

	O.D. clamping 1	O.D. clamping 2 & 3	I.D. clamping	Draw-in force hollow tapered shanks
				
Sizes	AS18	AS32, AS65, AS65-4	IS28, IS50, IS70	HSK40, HSK50, HSK63, HSK100
Description	Clamping force measurement for O.D. clamping devices with round and smooth clamping surface	Clamping force measurement for O.D. clamping devices with smooth clamping surface	Clamping force measurement for I.D. clamping devices with round and smooth clamping surface	Draw-in force measurement in the hollow tapered shank tool location
Use	<ul style="list-style-type: none"> ■ Clamping heads and collets ■ 3-jaw chucks 	<ul style="list-style-type: none"> ■ For O.D. clamping 2: Clamping heads and collets / 3-jaw chucks / 2-jaw chucks / vises / centric vises ■ For O.D. clamping 3: 4-jaw chucks / 2x2 chucks / 2-jaw chucks / vises / centric vises 	<ul style="list-style-type: none"> ■ Segmented clamping bushings 	<ul style="list-style-type: none"> ■ Hollow tapered shanks
Applications	Multi spindle	Machining center, lathe	Machining center, lathe	Machining center

Scope of delivery:

- TEST module
- Service pass
- Storage case

And what we can do for you?